

[APPARATUS AND METHODS FOR INDUCTION-SFL LOGGING]

Abstract

A well logging tool includes an induction array stack disposed on a mandrel; an electronic module stack disposed adjacent the induction array stack along a longitudinal axis of the well logging tool; and a shallow electrode array arranged on a housing disposed around the electronic module stack, wherein the induction array stack comprises a transmitter antenna, a first receiver antenna, and a second receiver antenna spaced apart from each other along the longitudinal axis of the well logging tool, the second receiver antenna being disposed between the transmitter antenna and the first receiver antenna.